

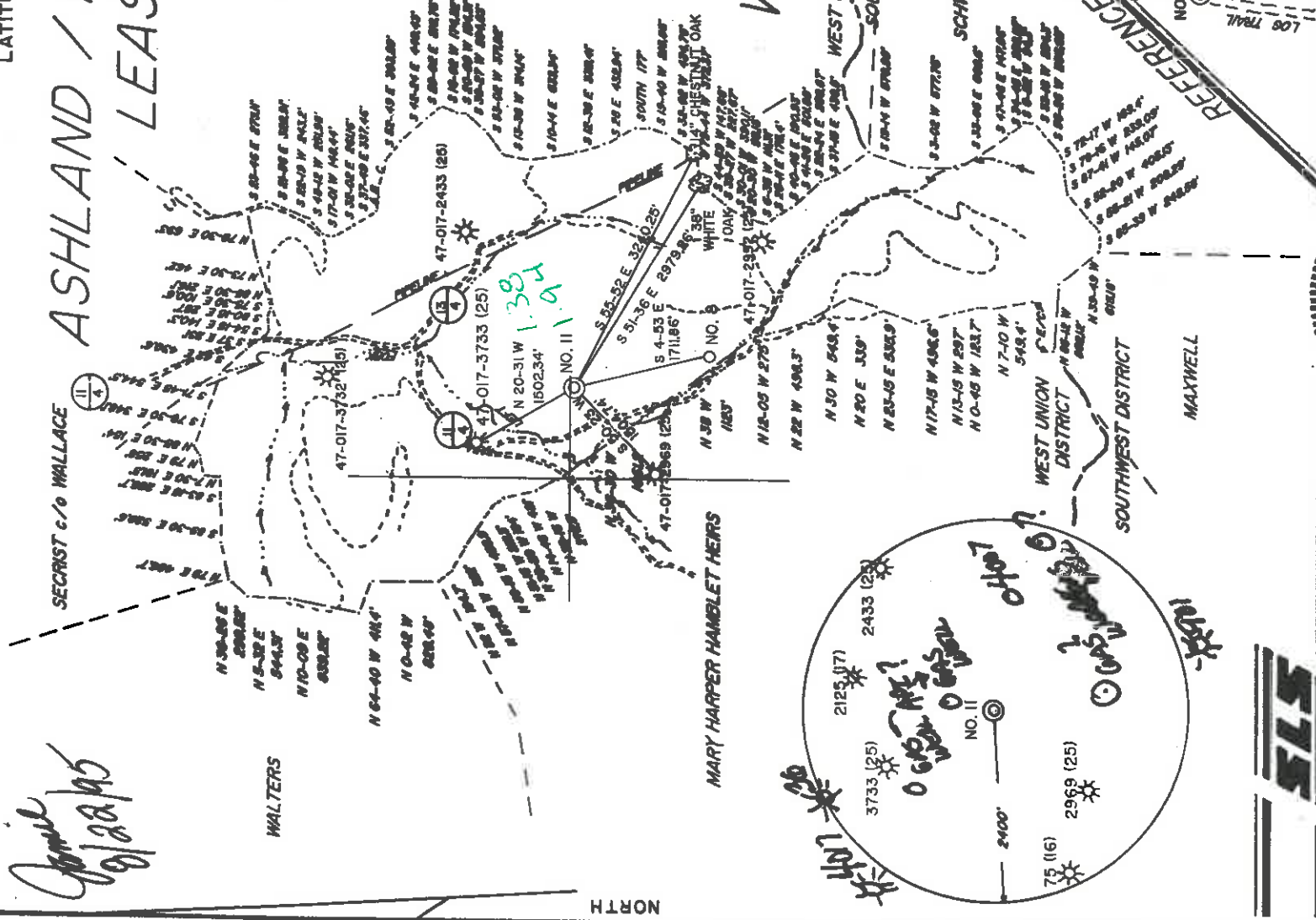
ASHLAND / MAXWELL LEASE
936.86 ACRES ±

LINE TABLE

- A. S 70-05 E 102.84'
- B. S 87-17 E 200.00'
- C. S 78-49 E 338.9'

HOLLAND

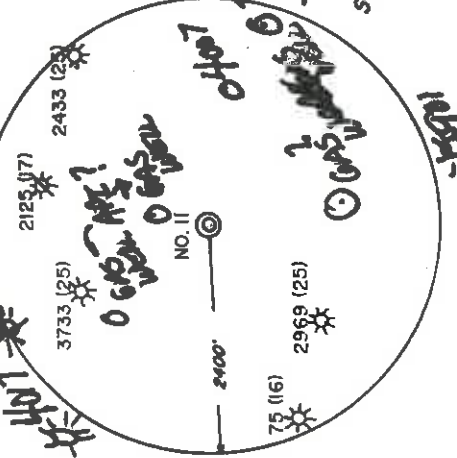
WELL NO. 11



SECRET c/o WALLACE

WALTERS

MARY HARPER HANBLET HEIRS



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

L.L.S. Gregory A. Smith
677



MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1323'
 FILE NO. 2177 (39-62)
 SCALE 1" = 2000'

WELL TYPE: OIL GAS LIQUID WASTE DISPOSAL INJECTION "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1114' WATERSHED LEFT FORK OF ARNOLDS CREEK

DISTRICT WEST UNION COUNTY DODDRIDGE

SURFACE OWNER CHARLES P. HEASTER ET AL.

ROYALTY OWNER LEWIS MAXWELL HEIRS ET AL.

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5275'

QUADRANGLE OXFORD 7.5' ACREAGE 936.86

LEASE NO. WVO2358 --+

COUNTY NAME PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE SEPTEMBER 22, 1992
 OPERATORS WELL NO. ASHLAND / MAXWELL
 API WELL NO. 47-017-017
 STATE COUNTY PERMIT NO. WV DODD000351

WELL OPERATOR EASTERN AMERICAN ENERGY CORPORATION DESIGNATED AGENT JOHN M. PALETTI
 ADDRESS BOX N GLENVILLE, WV 26351

ASHLAND. / MAXWELL LEASE

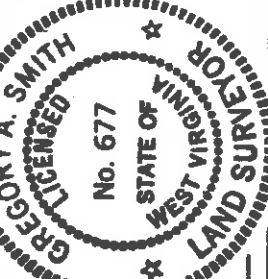
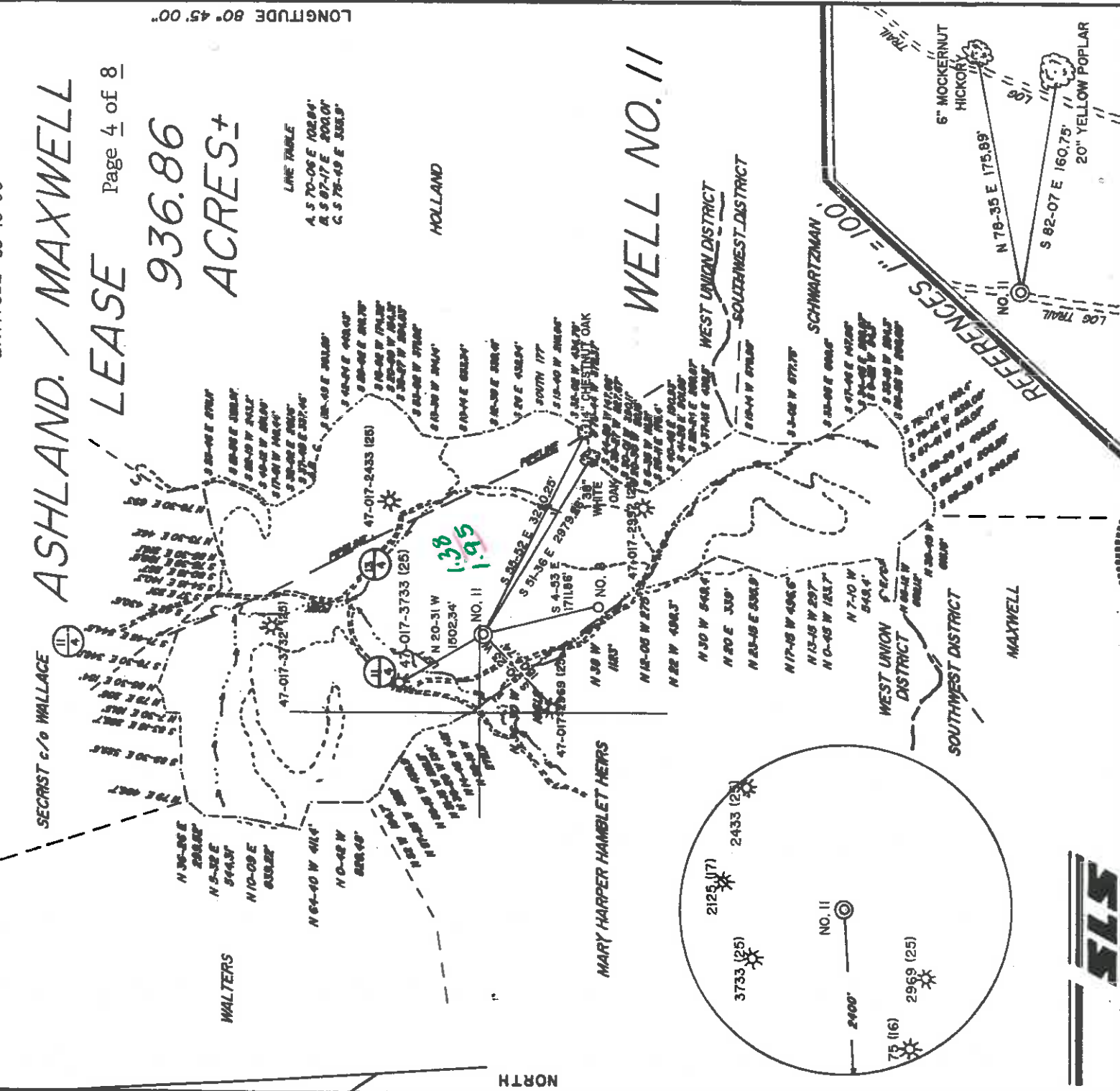
Page 4 of 8

936.86 ACRES+

LINE TABLE
 A S 70-06 E 102.84'
 B S 87-17 E 206.01'
 C S 78-49 E 308.9'

HOLLAND

WELL NO. 11



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

L.L.S. *Gregory A. Smith*
 677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE SEPTEMBER 22, 19 92
 OPERATORS WELL NO. ASHLAND / MAXWELL
 API WELL NO. 11
 WVD00003511
 STATE 47 - 017 - 400C
 COUNTY PERMIT
 18005114207

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

MINIMUM DEGREE OF ACCURACY 1/200
 FILE NO. 2777 (39-62)
 SCALE 1" = 2000'
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1323'

WELL TYPE: OIL GAS LIQUID WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1114' WATERSHED LEFT FORK OF ARNOLDS CREEK

DISTRICT WEST UNION & COUNTY DODDRIDGE

SURFACE OWNER CHARLES P. HEASTER ET AL.
 ROYALTY OWNER LEWIS MAXWELL HEIRS ET AL.

PROPOSED WORK:
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
 PHYSICAL CHANGE IN WELL (SPECIFY) _____

COUNTY NAME _____ QUADRANGLE OXFORD 7.5
 ACREAGE 936.86
 LEASE NO. WVO2358 --+
 LEASE ACREAGE 936.86

ESTIMATED DEPTH 5275'

WELL OPERATOR EASTERN AMERICAN ENERGY CORPORATION DESIGNATED AGENT JOHN M. PALETTI
 ADDRESS BOX N GLENVILLE, WY 26391 259
 CHARLESTON, WY 26304

Handwritten text in purple ink, possibly a name or date.

Handwritten number '11' in purple ink.

Faint handwritten notes or markings in the bottom left corner.

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

NOV 30 1995

Permitting Well Operator's Report of Well Work
Office of Oil & Gas

Farm name: HEASTER, CHARLES P. Operator Well No.: ASHLND/MAXWL#11

LOCATION:

District: WEST UNION County: DODDRIDGE
Latitude: 7260 Feet South of 39 Deg. 15Min. 0 Sec.
Longitude 10290 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: EASTERN AMERICAN ENERGY C
P. O. BOX 820
GLENVILLE, WV 26351-0820

Agent: DONALD C. SUPCOE

Inspector: MIKE UNDERWOOD
Permit Issued: 08/21/95
Well work Commenced: 09-20-95
Well work Completed: 09-24-95

Verbal Plugging
Permission granted on: _____
Rotary x Cable _____ Rig _____
Total Depth (feet) _____ 5275' _____
Fresh water depths (ft) _____ 65', 112',
980' _____
Salt water depths (ft) _____ 1280' _____

Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

OPEN FLOW DATA

(Commingle)

producing formation Alexander, Benson, 3rd Riley, Pay zone depth (ft) 136'-436'
Gas: Initial open flow 750 MCF/d Oil: Initial open flow N/A Bbl/
Final open flow 628 MCF/d Final open flow N/A Bbl/
Time of open flow between initial and final tests 15 Hour
Static rock Pressure 1145 psig (surface pressure) after 24 Hour

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/
Final open flow _____ MCF/d Final open flow _____ Bbl/
Time of open flow between initial and final tests _____ Hour
Static rock Pressure _____ psig (surface pressure) after _____ Hour

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: EASTERN AMERICAN ENERGY CORP.

By: *Donald C. Supcoe* Senior Drilling Supervisor
Date: 11-27-95

DEC 01 1995

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1062'	1062'	CTS 260 SXS
4-1/2"	-----	5204'	700 SXS

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Stage One : Alexander; 23 holes (5054.5'-5136'), Fractured w/energized water, 30 lbs gel/1000 gals, 60,000 lbs of 20/40 sand, 500 gals 15% HCl acid and 109,000 scf of N2.

Stage Two : Benson/3rd Riley; 15 holes (4723.5'-4802'), Fractured w/energized water, 30 lbs gel/1000 gals, 44,000 lbs of 20/40 sand, 500 gals 15% HCl acid and 98,000 scf of N2.

Stage Three: Riley; 15 holes (4368'-4385'), Fractured w/energized water, 30 lbs gel/1000 gals, 5,000 lbs of 80/100 sand, 37,200 lbs of 20/40 sand, 500 gals of 15% HCl acid and 88,000 scf of N2.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
Fill			0	10	Including indication of all fresh and salt water, coal, oil and gas Damp @ 65' 1/4" water @ 112' 1" water @ 980' 1/2" water @ 1280' (oil odor) Gas Checks: 1622' No Show 1779' No Show 1871' No Show 2024' No Show 2210' No Show 2397' 2/10 1" w/water 2804' 4/10 1" w/water 3146' 4/10 1" w/water 3366' 5/10 1" w/water 3804' 8/10 1" w/water 4275' 8/10 1" w/water 4490' 8/10 1" w/water 4708' 8/10 1" w/water 4894' 8/10 1" w/water 5175' 8/10 1" w/water TD 8/10 1" w/water
Sand & Shale			10	30	
Shale			30	70	
Shale & Redrock			70	100	
Sand & Shale			100	190	
Shale & Redrock			190	250	
Sand			250	335	
Redrock & Shale			335	355	
Shale			355	374	
Redrock			374	404	
Sand			404	425	
Redrock			425	435	
Shale			435	540	
Shale			540	550	
Sand			550	600	
Redrock			600	670	
Sand & Shale			670	750	
Sand			750	965	
Redrock & Shale			965	1025	
Sand & Shale			975	1025	
Sand & Shale			1025	1053	
Redrock & Shale			1025	1053	
Sand & Shale			1053	1270	
Sand			1053	1270	
Sand & Shale			1270	1330	
Sand			1270	1330	
Sand & Shale			1330	1428	
Sand			1330	1428	
Sand & Shale			1428	1455	
Sand			1428	1455	
Sand & Shale			1455	1496	
Sand			1455	1496	
Sand & Shale			1496	1510	
Sand			1496	1510	
Sand & Shale			1510	1565	
Sand			1510	1565	
Sand & Shale			1565	1590	
Sand			1565	1590	
Sand & Shale			1590	1738	
Little Lime			1590	1738	
Big Lime			1738	1775	
Big Injun			1738	1775	
Sand & Shale			1775	1850	
Weir			1775	1850	
Sand & Shale			1850	1920	
Sand & Shale			1850	1920	
Sand & Shale			1920	2076	
Sand & Shale			1920	2076	
Sand & Shale			2076	2184	
Sand & Shale			2076	2184	
Sand & Shale			2184	2280	
Sand & Shale			2184	2280	

WELL LOG

017 4207

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Berea			2280	2290	
Sand & Shale			2290	2497	
Gordon			2497	2510	
Sand & Shale			2510	3170	
Warren			3170	3195	
Sand & Shale			3195	3225	
Speechley			3225	3280	
Sand & Shale			3280	4370	
Riley			4370	4385	
Sand & Shale			4385	4410	
3rd Riley			4410	4435	
Sand & Shale			4435	4790	
Benson			4790	4800	
Sand & Shale			4800	5090	
Alexander			5090	5110	
Sand & Shale			5110	5275 TD	

RECEIVED

WV Dept. of Environmental Protection

FORM WW-2B

001 3 0 02

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
Office of Oil & Gas Well Work Permit Application

Well Operator: Eastern American Energy Corporation

Operator's Well Number: ASHLAND/MAXWELL #11 3) Elevation: 1114'

Well type: (a) Oil / or Gas XX/

(b) If Gas: Production XX/ Underground Storage /
Deep / Shallow XX/

Proposed Target Formation(s): Alexander 439

Proposed Total Depth: 5275 feet

Approximate fresh water strata depths: 225', 284', 358', 455', 945'

Approximate salt water depths: 1265'

Approximate coal seam depths: 382-385', 935-938'

Does land contain coal seams tributary to active mine? Yes / No XX/

Proposed Well Work: Drill and complete new well.

12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11-3/4"	F-25	32.0	40'		
Fresh Water	8-5/8"	F-25	20.0	1165'	1165'	C.T.S. 38CSR18-11.3
Coal						38CSR18-11.2.2
Intermediate	*					
Production	4-1/2"	J-55	10.5	5190'	5190'	38CSR18-11.1
Tubing						
Liners						

* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the 9-5/8" casing.

PACKERS : Kind

Sizes

Depths set

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP

Plat WW-9 WW-2B Bond Agent

(Type)

O17 - 4006 → 4207
Issued 12/21/92

Page 3 of 8

Expires 12/21/94

NOV 017 4207

1980 (8) 535

14523

34319

RECEIVED
WV Div. of Energy
Emmitts River Station
OCT 3 0 92

Office permitted by
order of the State

1) Date: October 28, 1992
2) Operator's well number
ASHLAND/MAXWELL #11
3) API Well No: 47 - 017 - 4006
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:

(a) Name Charles P. Heaster, et al
Address P.O. Box 112
West Union, WV 26456

(b) Name _____
Address _____

(c) Name _____
Address _____

5) (a) Coal Operator:
Name N/A
Address _____

(b) Coal Owner(s) with Declaration
Name N/A
Address _____

(c) Coal Lessee with Declaration
Name N/A
Address _____

6) Inspector Mike Underwood
Address Rt. 2 Box 135
Salem, WV 26426
Telephone (304) - 782-1043

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

XX Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

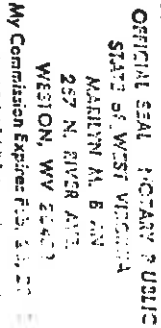
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 8 on the above named parties, by:

XX Personal Service (Affidavit attached)
XX Certified Mail (Postmarked postal receipt attached)
 Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



OFFICIAL SEAL, SECRETARY OF STATE
STATE OF WEST VIRGINIA
MARTIN M. B. AN
257 N. RIVER AVE.
WESTON, WV 26402
My Commission Expires: FEB. 26, 2002

By: John M. Galbraith
Its: Designated Agent
Address P.O. Box N
Glenville, WV 26351
Telephone (304) 461-5781

Subscribed and sworn before me this 28th day of October, 1992
My commission expires February 26, 2002.
Healey M. Bean Notary Public

STATE OF WEST VIRGINIA
Permitting DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
Office of Oil & Gas
WELL WORK PERMIT APPLICATION

Expires 08/21/97

Well Operator: Eastern American Energy Corporation 14980 (8) S26

Operator's Well Number: Ashland/Maxwell #11 3) Elevation: 1114'

Well type: (a) Oil ___ / or Gas XX/
(b) If Gas: Production XX / Underground Storage ___ /
Deep ___ / Shallow XX

5) Proposed Target Formation(s): Alexander

6) Proposed Total Depth: 5275' feet

7) Approximate fresh water strata depths: 225', 284', 358', 455', 945'

8) Approximate salt water depths: 1265'

9) Approximate coal seam depths: 382'-385', 935'-938'

10) Does land contain coal seams tributary to active mine? Yes ___ / No XX /

11) Proposed Well Work: Drill and complete new well.

12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
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Coal						
Intermediate	*					
Production	4-1/2"	J-55	10.5	-----	5190'	38CSR18-11.1
Tubing						
Liners						

* OPTIONAL: Based upon coal or excessive amounts of water being encountered below the casing.

PACKERS : Kind

Sizes

Depths set

126911
For Division of Oil and Gas Use Only
Fee(s) paid: [Signature] Well Work Permit [Signature] Reclamation Fund [Signature] WPCP
Plat [Signature] WW-9 [Signature] Bond [Signature] Agent [Signature] (TYPE) 21

RECEIVED

WV Division of
Environmental Protection

Page 1 of 9
Form WW2-A
(09/87)
File Copy

AUG 04 1995

Permitting
Office of Oil & Gas

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

1)	Date:	July 26, 1995
2)	Operator's well number	Ashland/Maxwell #11
3)	API Well No:	47 - 017 - 04207
	State - County - Permit	

4) Surface Owner(s) to be served:

(a) Name Charles P. Heaster
Address P.O. Box 112
West Union, WV 26456

(b) Name _____
Address _____

(c) Name _____
Address _____

5) (a) Coal Operator:
Name N/A
Address _____

(b) Coal Owner(s) with Declaration
Name N/A
Address _____

Name _____
Address _____

(c) Coal Lessee with Declaration
Name N/A
Address _____

6) Inspector Mike Underwood
Address Rt. 2 Box 135
Salem, WV 26426
Telephone (304) - 288-4604

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 9 on the above named parties, by: _____
 Personal Service (Affidavit attached)
 Certified Mail (Postmarked postal receipt attached)
 Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
CHANDRALEE SINKOVICZ
208 PURNISCIS AVENUE
WESTON, WV 26472
My Commission Expires 10/10/2000

Well Operator Eastern American Energy Corporation
By: [Signature]
Its: Designated Agent
Address Glenville, WV 26351
Telephone (304) 462-5781

Subscribed and sworn before me this 26 day of July, 1995.
[Signature] Notary Public
My commission expires October 10, 2000